Quiz 2: 1/21/15

Question 1

2pts. What is the interface between the user and the kernel called? **System Calls or Shell**

Question 2

3pts. What are the two types of memory? **Stack, Heap (half credit for listing Text, BSD, or Data)**

Question 3

Use the program below:

```c
int f(int n)
{
    if(n <= 0)
        return n;
    else
        return f(n-1) + f(n/2);
}

int main()
{
    int value = f(4);
    printf("Value = %d\n", value);
    return 0;
}
```

a) **3pts.** Draw the callgraph from of this program. **See Below**
b) **2pts.** How many stack frames are required for this program to run? **6 including Main**